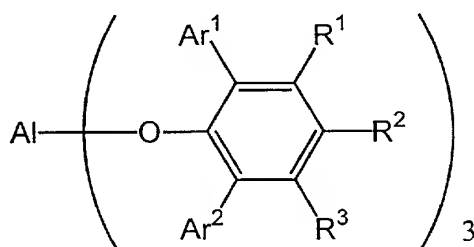


ABSTRACT OF THE DISCLOSURE

A process for producing *l*-isopulegol by simple operations with safety in high yield. A process for producing isopulegol, which comprises selectively cyclizing citronellal in the presence of a tris(2,6-diarylphenoxy)aluminum catalyst represented by the following general formula (3):



(3)

wherein Al represents an aluminum atom, Ar^1 and Ar^2 each represent a substituted or unsubstituted aryl group or a heteroaryl group; and R^1 , R^2 and R^3 each represent a hydrogen atom, a halogen atom, an alkyl group having 1 to 8 carbon atom(s), an alkoxy group having 1 to 8 carbon atom(s), a substituted or unsubstituted aryl group, a dialkylamino group having 1 to 4 carbon atom(s), or a nitro group.